Chapter 6. Installing Basic System Software

6.21. Bison-2.3

The Bison package contains a parser generator.

Approximate build time: 0.2 SBU Required disk space: 12.3 MB

6.21.1. Installation of Bison

Prepare Bison for compilation:

```
./configure --prefix=/usr
```

The configure system causes bison to be built without support for internationalization of error messages if a bison program is not already in $PATH. The following addition will correct this:

```
echo '#define YYENABLE_NLS 1' >> config.h
```

Compile the package:

```
make
```

To test the results (about 0.5 SBU), issue:

```
make check
```

Install the package:

```
make install
```

6.21.2. Contents of Bison

Installed programs: bison and yacc
Installed library: liby.a

Short Descriptions

bison Generates, from a series of rules, a program for analyzing the structure of text files; Bison is a replacement for Yacc (Yet Another Compiler Compiler)

yacc A wrapper for bison, meant for programs that still call yacc instead of bison; it calls bison with the -y option

liby.a The Yacc library containing implementations of Yacc-compatible yyerror and main functions; this library is normally not very useful, but POSIX requires it